CINESOFT™
LED LUMINARIES

OPERATION MANUAL

CINEMILLS.COM

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IMPORTANT INFORMATION

Warnings and Notices

When using electrical equipment, basic safety precautions should always be followed including the following:

a. Read and follow all safety instructions.
b. Do not use outdoors.
c. Do not mount near gas or electric heaters.
d. Equipment should be mounted in locations and at heights where it will not readily by subjected to tampering by unauthorized personnel.
e. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
f. Do not use this equipment for other than intended use.
g. Refer service to qualified personnel.

SAVE THESE INSTRUCTIONS.

WARNING: You must have access to a main circuit breaker or other power disconnect device before installing any wiring. Be sure that power is disconnected by removing fuses or turning the main circuit breaker off before installation. Installing the device with power on may expose you to dangerous voltages and damage the device. A qualified electrician must perform this installation.

WARNING: Refer to National Electrical Code and local codes for cable specifications. Failure to use proper cable can result in damage to equipment or danger to personnel.

WARNING: This equipment is intended for installation in accordance with the National Electric Code and local regulations. It is also intended for installation in indoor applications only. Before any electrical work is performed, disconnect power at the circuit breaker or remove the fuse to avoid shock or damage to the control. It is recommended that a qualified electrician perform this installation

Additional Resources for DMX512
For more information on installing DMX512 control systems, the following publication is available for purchase from the United States Institute for Theatre Technology (USITT), "Recommended Practice for DMX512: A Guide for Users and Installers, 2nd edition" (ISBN: 9780955703522). USITT Contact Information:

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1. PREFACE

1.1 About this Manual

The document provides installation and operation instructions for the following products:

Soft Panel LED Luminaire – CINESOFT

Please read all instructions before installing or using this product.

1.2 Included Items

Each Soft Panel LED Luminaire CINESOFT includes the following items:

Soft panel LED lighting fixture

Yoke / Mount assembly

AC power input cable

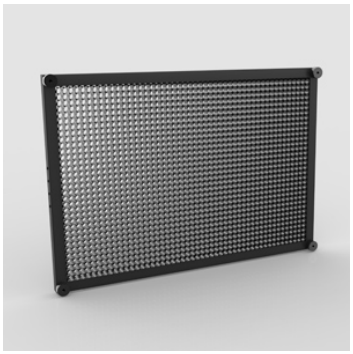
User's manual (this document)

1.3 Accessories

Contact your authorized dealer for price and availability of all accessories for the CINESOFT series.
Additional information can be found on our web site at www.cinemills.com

Barn door

Honeycomb



2. CINESOFT OVERVIEW

2.1 CINESOFT Components

2.1.1 Major CINESOFT Components

Figure. ***CINESOFT*** – Front View

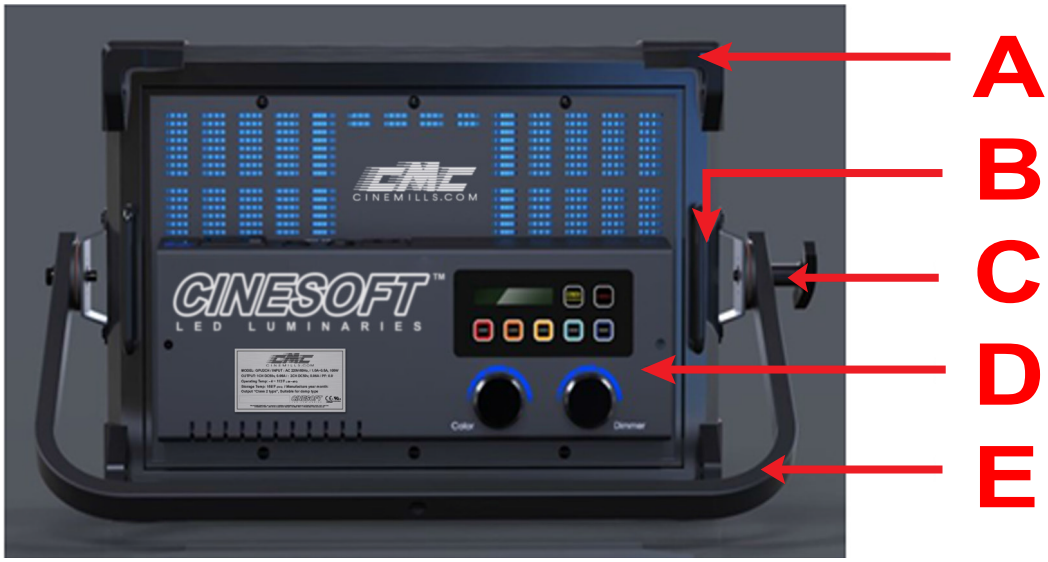


Figure. ***CINESOFT*** – Rear View

A. Accessory holders (4-point) – Can be hung by a rope, etc.

B. Carrying handle – Used to carry and angle adjustment of the ***CINESOFT***

C. T-grip – Tighten and loosen the Yoke.

D. On-board control panel – Operates the function of the ***CINESOFT***

E. Yoke – Attach the luminaire with mounting accessories and adjust the angle of the ***CINESOFT***

2.1.2 On-board Control Panel including LCD Display

The ***CINESOFT's*** control panel with LCD panel provides local control for accessing each of the functions. The shape and features of each element are as follows:

Figure. On-board control panel and LCD display

In general mode

a. LCD display- Provides information about CCT and brightness level and the status of the Lock mode.

b. DMX ADDRESS – Enter the DMX address setting mode.

c. CANCEL / LOCK

- Save and exit from the DMX ADDRESS setting mode (press the button once).
- Enter the LOCK mode (press and hold about 2 seconds).

d. CCT Preset – Turn on the pre-set CCT. It consists of five preset buttons.

e. Color jog wheel - Manually adjusts CCT levels.

f. Dimmer jog wheel - Manually adjusts bright intensity levels. In addition, it is possible to change the fineness of the adjustment of Dim level.

In DMX ADDRESS mode

a. LCD display – Provides information about DMX address of channel 1 and channel 2

e. Color jog wheel – Set the DMX address for channel 1 (CCT level control)

f. Dimmer jog wheel – Set the DMX address for channel 2 (bright intensity level control)

2.1.3 Connection Ports and Power Switch

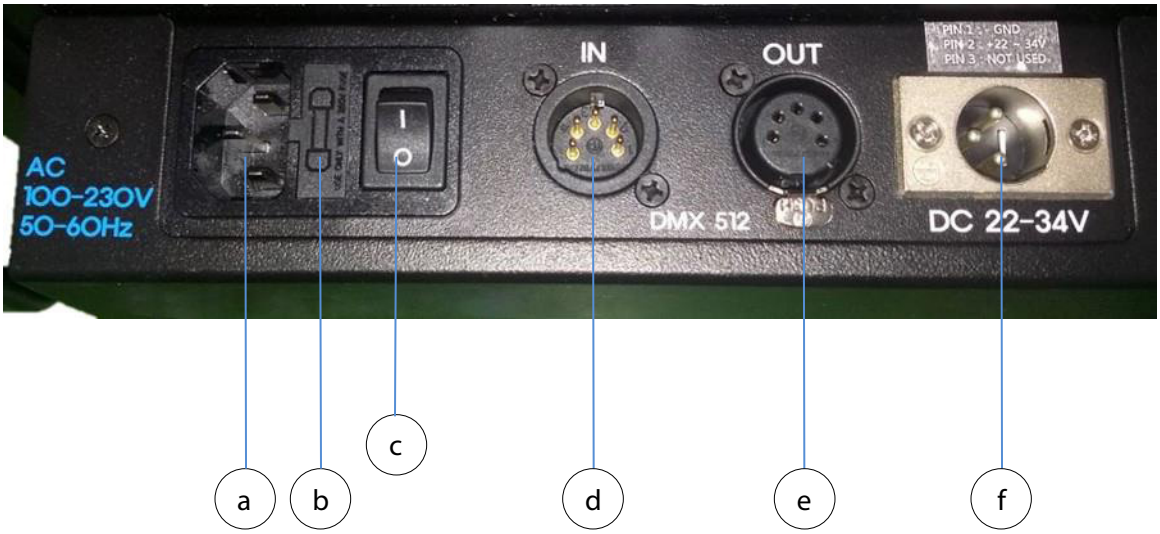


Figure. CINESOFT Connections

a. AC Power inlet (IEC 320 C14) – Receive AC power through the power cord

b. Fuse holder – Replace the fuse.

c. Rocker switch – Power on and off

d. DMX IN – Receive DMX signals. It consists of the 5P XLR Male Panel Mount connector.

e. DMX OUT – Transmit DMX signals. It consists of the 5P XLR Female Panel Mount connector

f. DC power inlet – Receive DC power from the DC power supply unit (power station, etc.)

2.1.4 Accessories

Figure. Barn doors

Figure. Honey-comb

3. INSTALLATION

3.1 Main Power Requirements

The CINESOFT Luminaire can be connected to an AC or DC power input for operation. When connected to an AC power, the fixture operates on 100 to 230 volts AC. The luminaire has a built-in auto ranging power supply and an on-board on / off switch. Also, when connected to a DC power, the fixture of 100W operates on 24 volt DC through 3-pin XLR and the fixture of 200W operates 48 volt DC through 3-pin XLR.

3.2 Connecting Power

3.2.1 Connecting to AC Power

Direct connection to an AC power source using an included AC input cable.

Figure. ***CINESOFT*** LED Luminaire AC Input Connection

3.2.2 Connecting to DC Power

Direct connection to a DC power source (i.e., AC to DC converter or battery) through the fixture's DC input 3-pin XLR connection.

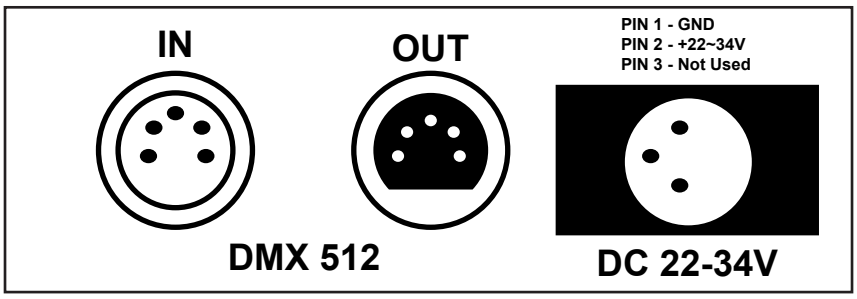


Figure. CINESOFT DC Input Connection

3.3 Accessories Installation

3.3.1 Barn door Installation

The CINESOFT LED luminaire can be provided with barndoors (as an option, sold separately in a set of four). To install a barndoor assembly, position the barndoor alongside the extruded edge of the luminaire. Align the thumbscrews with the adjustable receptacle holes in the luminaire and insert into place. Lock the barndoors by turning the silver thumbscrew. To remove a barndoor assembly, reverse the order of the installation process.

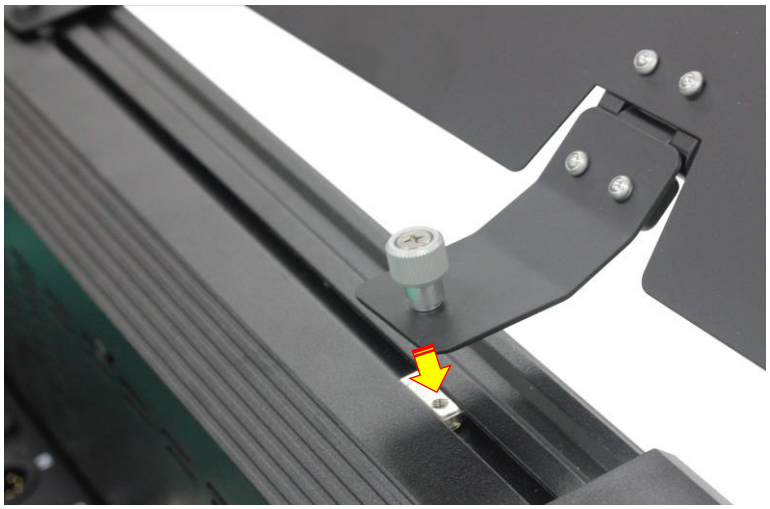


Figure. Barn door installation

3.3.2 Honey-comb Installation

Turn the four screws located on the corner in order to fix the Honey-comb.

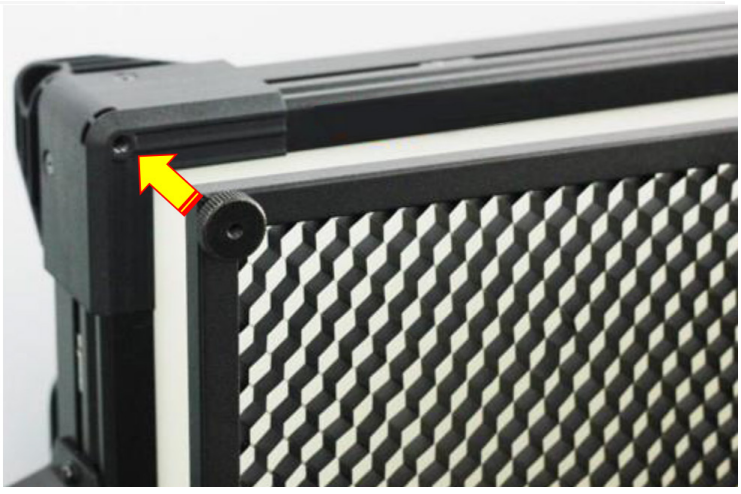


Figure. Honey-comb installation

3.4 Connecting to the DMX-512 Network

The topology configuration corresponds to daisy chain cabling; therefore, the fixtures have an input and an output port. Five-pole XLR plugs are used for cabling.

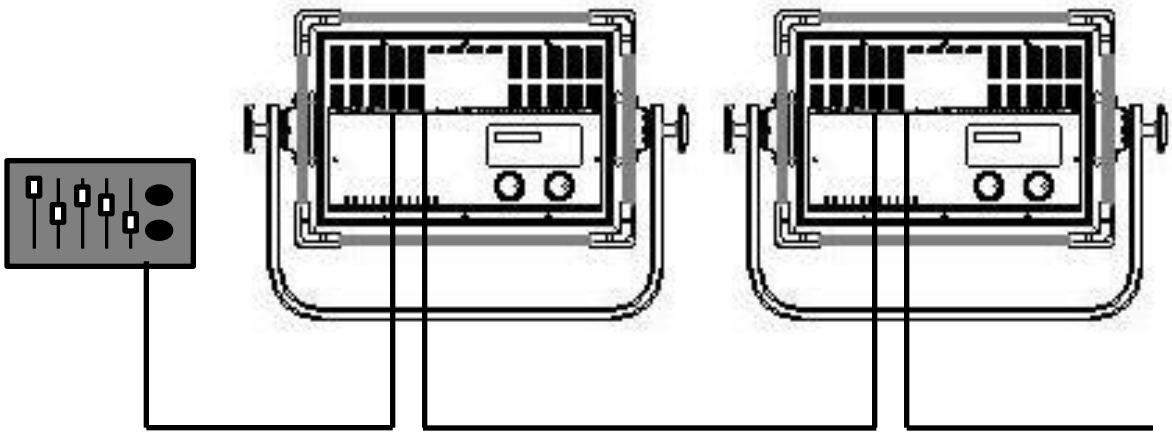


Figure. DMX-512 network configuration

3.4.1 DMX I/O Pin Signal Define

DMX pin-out wiring follows the USITT DMX standard.

Figure. DMX-512 in / out ports

Pin no.	DMX in	DMX out	Note
1	Shield / Gnd	Shield / Gnd	Pass - thru 1-1
2	Data -	Data -	Pass – thru 2-2-4-4
3	Data +	Data +	Pass – thru 3-3-5-5
4	Spare -	Spare -	Pass – thru 2-2-4-4
5	Spare +	Spare +	Pass – thru 3-3-5-5

3.4.2 DMX Cables

The CINESOFT uses five-pin XLR connectors to receive DMX signals from the external DMX console. In this case, the DMX cable connecting the two devices. Ends of the cable consist of each XLR male and female connector. It is also used to transmit and receive DMX signals between fixtures in a series.

4. OPERATION

The ***CINESOFT*** luminaire has two main features as a light fixture. This includes the setting of the desired CCT and brightness. These features are available through the control panel on fixture or the external devices such as DMX sliders. The procedures for using these features are introduced below.

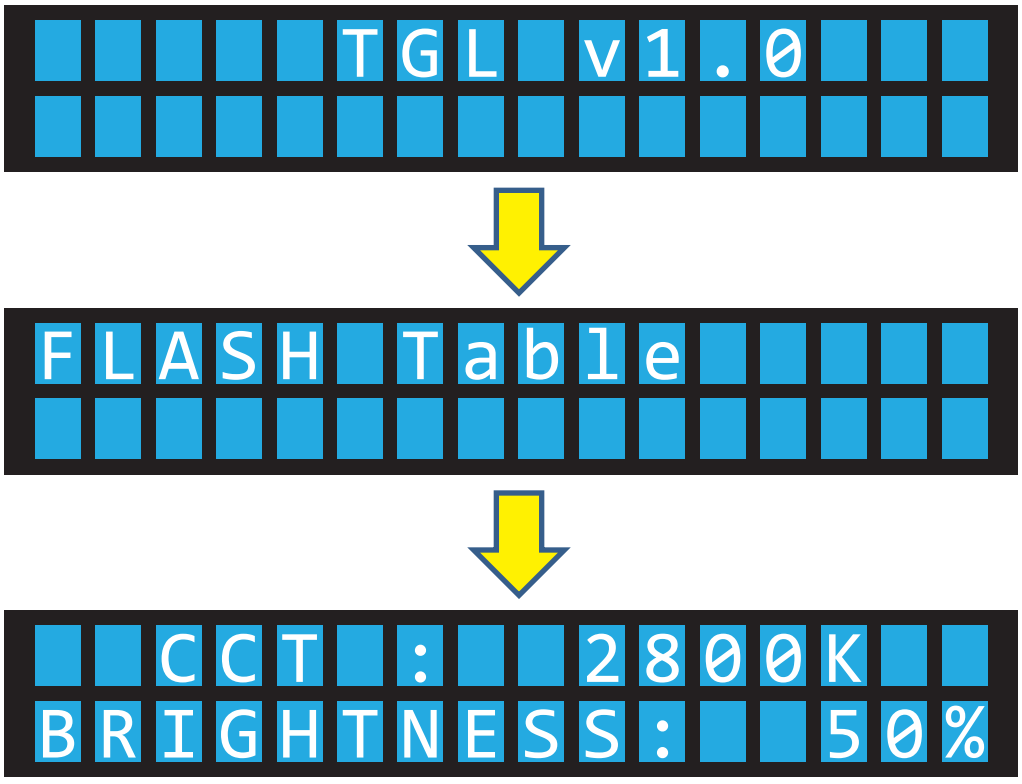
4.1 Turning on

After you have turned on the power switch, the fixture will need a short start-up time before it lights up.

Step 1. Make sure the fixture is powered.

Step 2. Turn on the power switch.

Step 3. The luminaire will light up with the last set value. The information about the fixture are displayed sequentially on the LCD display. The last setting is displayed after the boot is complete.
If DMX is enabled, indicates the last setting DMX address.



Note1. *When the power is turned off or removed, the fixture will remember its last setting.*

4.2 To Adjust the CCT Level Setting

There are three procedures for setting. The first is to use the Pre-set buttons and the second is to use the jog wheel through onboard control panel. The third is through the DMX control scheme.

4.2.1 The first procedure (control via the preset buttons)

Step 1. Press the desired CCT Preset button. CCT. The preset buttons are as follows.

CCT preset button : 2800K, 3200K, 4000K, 5000K, 5600K

Step 2. The luminaire is turned on the selected preset CCT level.

Step 3. The selected value is displayed on the LCD display.

4.2.2 The second procedure (control via the CCT jog wheel)

Step 1. Rotate the CCT jog wheel to desired CCT level in range from 2800K to 5600K

- Turn clockwise. The CCT level is increased by 50K
- Turn counter-clockwise. The CCT level is decreased by 50K

Step 2. The luminaire is turned on the selected CCT level.

Step 3. The selected value is displayed on the LCD display.

4.2.3 The third procedure (control via the DMX signal)

For details, see the DMX control page.

4.3 To adjust the Dim level setting

There are two procedures for setting. The first is to use the jog wheel through onboard control panel and the second is through the DMX control scheme.

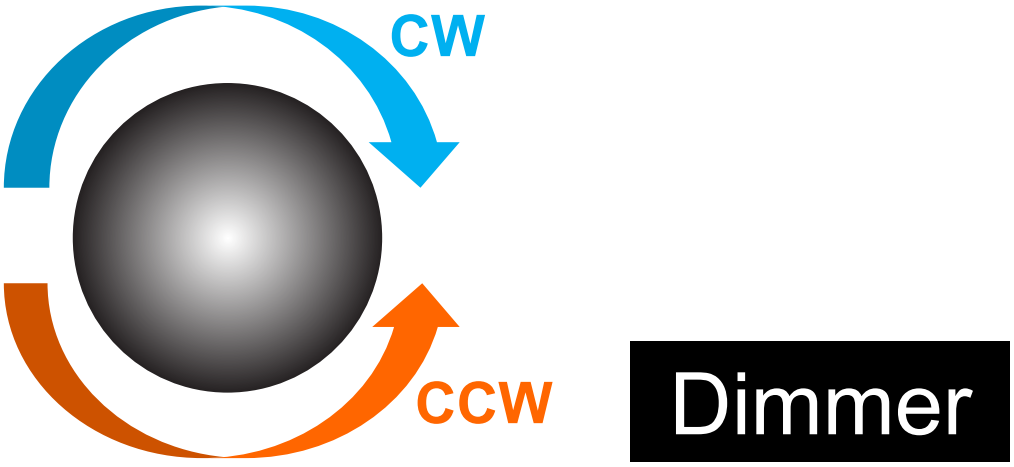
4.3.1 The first procedure (control via the Dimmer jog wheel)

Step 1. Press the Dimmer jog wheel to toggle between fine and coarse adjustments.

- Fine adjustment : can be adjusted in units of 1%
- Coarse adjustment : can be adjusted in units of 5%

Step 2. Rotate the Dimmer jog wheel to desired bright intensity level in range from 0 to 100%.

- Turn clockwise. The bright intensity level is increased by 1% or 5%.
- Turn counter-clockwise. The bright intensity level is decreased by 1% or 5%.



Step 3. The luminaire is turned on the selected Dim level.

Step 4. The selected value is displayed on the LCD display.

4.3.2 The second procedure (control via the DMX signal)

For details, see the DMX control page.

4.4 Get into the DMX address mode and set of the DMX addresses

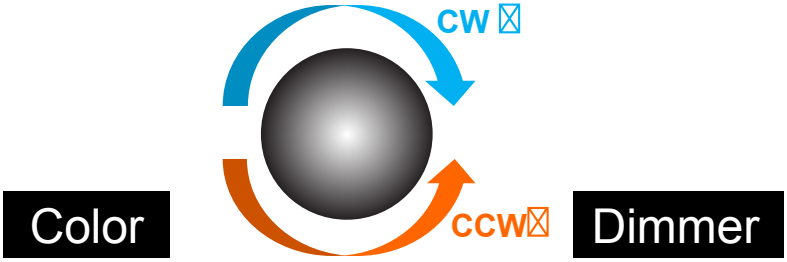
The ***CINESOFT*** luminaire has two channels for DMX control. The first is for adjusting the CCT level and the second is for adjusting the DIM level.

Step 1. Press the DMX ADDRESS button to enter DMX address setting mode.

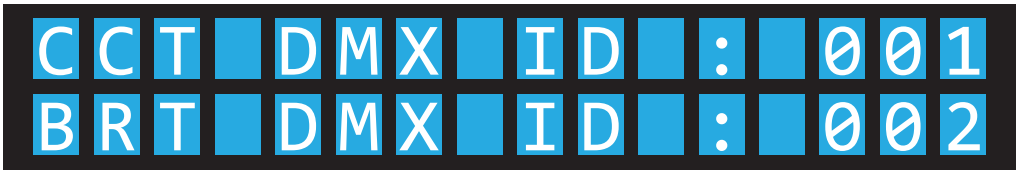
Step 2. The last DMX address setting is displayed on the LCD display.

Step 3. Turn the Color jog wheel in order to select the DMX address for CCT level control channel or turn the Dimmer jog wheel in order to select the DMX address for Dim level control channel. Each the DMX address range is from 1 to 512.

- Turn clockwise. The DMX address value is increased by 1.
- Turn counter -clockwise. The DMX address value is decreased by 1.



Step 4. The selected DMX address settings are displayed on the LCD display as shown below.



Step 5. Press the DMX ADDRESS button again to save the assigned DMX address and exit from the DMX address setting mode.

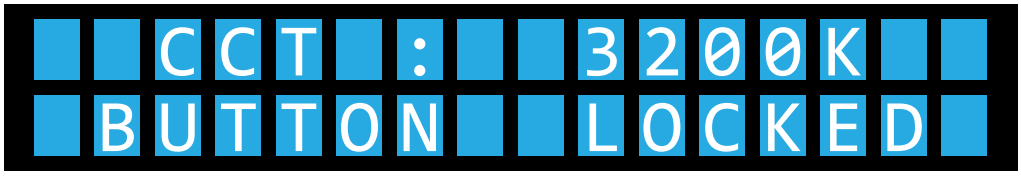
Note1. *Do not select the same DMX address value in the each channel DMX address setting.*

4.5 Set the lock mode

In general mode, you can press and hold the cancel button for 2 seconds to enter the onboard control lock mode. Even though any operations that feature does not work. Only the external input DMX signal can control for only the CCT and Dim levels. Repeat the same procedure to release the lock.

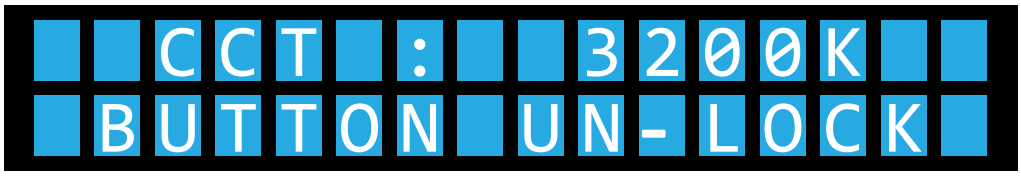
Step 1. Press and hold the CANCEL / LOCK button for about 2 seconds to enter the onboard control LOCK mode.

Step 2. As shown below, this is displayed on the LCD display for approximately 2 seconds.



Step 3. To release the LOCK mode, perform the step 1 operation again.

Step 4. As shown below, this is displayed on the LCD display for approximately 2 seconds.



***Note1**. In LOCK mode, all input on the control panel are ignored, and the state of step 2 is displayed.*

4.6 To adjust the CCT and Dim level setting in DMX control mode

This section contains information for operating the luminaire using DMX control in 8-Bit DMX512 mode.

channel no	feature	DMX value	output value	description
1	Dim levels	0 - 255	0 - 100 %	1% or 5% increments
2	CCT levels	0 - 255	2800K - 5600K	50K increments

***Note* 1.** *Do not select equally DMX CCT ID & Dimmer ID.*

***Note* 2.** Can't operate the fixture through on-*board control with the DMX cable plugged in.*

4.6.1. - DMX Address 2 is for dimming change

4.6.2. - DMX Address 1 is the initial default setting value for CCT Change